L Number	Hits	Search Text	DB	Time stamp
1	T	5515460.pn.	USPAT;	2003/07/24 12:08
			US-PGPUB;	
	_		EPO; JPO	
2	8	5515460.URPN.	USPAT	2003/07/24 12:10
3	7	("5002350" "5351317" "5367586" "5412744"	USPAT	2003/07/24 12:10
		"5515460" "5745612" "5862279").PN.		
-	1139	"array waveguide"	USPAT;	2003/03/07 12:56
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	0	N	IBM_TDB	2002/05/17 14 00
-	0	"array waveguide" and "length tuner"	USPAT;	2002/05/17 14:00
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	30	Illamenta Aumanii	IBM_TDB	0000/05/17 14 00
•	30	"length tuner"	USPAT;	2002/05/17 14:02
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	0	"length tuner" and "refractive index"	IBM_TDB USPAT;	2002/05/17 14:01
-	U	length tuner and remactive index	US-PGPUB;	2002/03/17 14:01
			EPO; JPO; DERWENT;	
			IBM TDB	
_	4	"length tuner" and waveguide	USPAT;	2002/05/17 14:01
_	7	length tuner and waveguide	US-PGPUB;	2002/03/17 14:01
			EPO; JPO;	
		·	DERWENT;	
			IBM TDB	
_	643	length with (tuner or tuning) and waveguide	USPAT;	2002/05/17 14:03
	0.13	tength with (taller of talling) and waveguide	US-PGPUB;	2002/03/17 11.03
			EPO; JPO;	
			DERWENT;	
1			IBM TDB	
-	186	(length with (tuner or tuning)) and waveguide and "refractive	USPAT;	2002/05/17 14:04
		index"	US-PGPUB;	2002/00/// / 110 /
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	1	"array waveguide" and tuner	USPĀT;	2002/05/17 14:04
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	5	(length with (tuner or tuning)) and "array waveguide" and	USPĀT;	2002/05/17 14:59
ļ		"refractive index"	us-Pgpub;	
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			DERWENT;	
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-	16	"5290663"	USPĀT;	2002/05/17 14:59
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			DERWENT;	
:			IBM_TDB	
-	128	dragone and lucent	USPĀT;	2002/05/17 15:00
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			EPO; JPO;	
		I		1
			DERWENT;	

-	37	dragone.in. and lucent	USPAT;	2002/05/17 15:00
			US-PGPUB;	
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			DERWENT;	
			IBM TDB	
	37	dragone.in. and lucent.as.	USPAT;	2002/05/17 17:07
-	3/	dragone.in. and incent.as.		2002/05/17 17:03
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			DERWENT;	
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1.	2	5920663.URPN.	USPAT	2002/05/17 15:10
	7	("4885734" "4991937" "4998793" "5029988"	USPAT	2002/05/17 16:11
1 -	/ /		USFAT	2002/03/17 18:11
1		"5031993" "5625723" "5629991").PN.		
-	3		USPAT	2002/05/17 16:44
-	593	385/39.ccls.	USPAT;	2002/05/20 18:32
İ			US-PGPUB;	
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-	4	"985942"	USPAT;	2002/05/20 12:58
			US-PGPUB;	
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	1	2000 250452 ND AN	_	2002/05/20 12 50
-	1	2000-258652.NRAN.	DERWENT	2002/05/20 12:59
-	0	"NTT- INC."	USPAT;	2002/05/20 17:45
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-	460	kaneko.in. and inoue.in.	USPAT;	2002/05/20 17:46
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_	o	kaneko.in. and inoue.in. and takahashi.in	USPAT;	2002/05/20 17:46
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-	19	kaneko.in. and inoue.in. and takahashi.in.	USPĀT;	2002/05/20 17:58
1	1		US-PGPUB;	
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-	1521	385/10,37.ccls. not 385/39.ccls.	USPAT;	2002/05/21 18:13
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1_	205	385/10.ccls.	USPAT;	2002/05/22 14:40
1	203	303/10.ccs.		2002/05/22 14:49
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1			EPO; JPO;	
			DERWENT;	
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-	5	"5675592"	USPAT;	2002/05/22 13:52
			US-PGPUB;	
			EPO; JPO;	
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		#0F0704F#	IBM_TDB	2002/05/22 14 04
-	8	"9503945"	USPAT;	2002/05/22 14:04
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			DERWENT;	
	10	"OFO4071"	IBM_TDB USPAT;	2002/05/22 13:53
-	10	"9504031"	US-PGPUB;	2002/03/22 13:33
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			DERWENT;	
			IBM TDB	
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-	2043	g02b000/34.ipc.	US-PGPUB;	2002/03/22 1 1.03
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_	1	gO2bO06/34.ipc. and "04O31"	USPAT;	2002/05/22 14:07
-	'	gozbood/34.ipc. and 0 io31	US-PGPUB;	2002/03/22 1 1.07
			EPO; JPO;	
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_	24	gO2bO06/34.ipc. and france	USPAT;	2002/05/22 14:13
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			EPO; JPO;	
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-	1	1998-195178.NRAN.	DERWENT	2002/05/22 14:11
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_	4		USPAT;	2002/05/22 14:19
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-	1	FR-95/04031	USPĀT;	2002/05/22 14:19
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			DERWENT;	
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-	21	KEIL-RUDOLF.in.	USPAT;	2002/05/22 14:52
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			DERWENT;	
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-	1537	KEIL.in.	USPAT;	2002/05/22 14:52
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-	31	"KEIL, Rudolf".in.	USPĀT;	2002/05/22 15:00
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			DERWENT;	
			IBM_TDB	
	·	(12.28.40 PM Page 7		

-	1	wo9522070	USPAT;	2002/05/22 15:01
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-	17	"5467418"	USPAT;	2002/05/22 16:39
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-	13	"4846542"	USPAT;	2002/05/28 09:53
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_	2	("5123070" "5546483").PN.	USPAT	2002/05/28 10:57
_	l õl	6304687.URPN.	USPAT	2002/05/28 11:05
-	ŏ		USPAT	2002/05/28 11:05
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•	2		USPAT	2002/05/28 13:15
-	0		USPAT	2002/05/28 13:30
-	2		USPAT	2002/05/28 13:30
-	7	"0565308"	USPAT;	2002/05/28 14:08
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-	17	"5212758"	USPAT;	2002/05/29 10:26
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	!		IBM TDB	
_	0	20010022878.URPN.	USPĀT	2002/05/28 14:46
_	380	385/3.ccls.	USPAT;	2002/05/29 10:27
1	300		US-PGPUB;	
			EPO; JPO	
	7/0	705 /1	USPAT;	2002/05/29 10:27
-	362	385/1.ccls.		2002/03/24 10:27
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-			EPO; JPO	
-	631	385/1,3.ccls. and (elect\$7 or therm\$7 or temperature or	USPAT;	2002/05/29 10:32
		peltier or heat\$4 or tuner or tuning)	US-PGPUB;	
			EPO; JPO	
-	700	385/1,3.ccls.	USPAT;	2002/05/29 10:32
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-	294	385/1,3.ccls. and (thermo-optic\$3 or electro-optic\$3 or	USPAT;	2002/03/27 11:3/
		tuner or tuning) and (waveguide near\$5 (array or grating))	US-PGPUB;	
			EPO; JPO	2000/05/22 11 52
-	55		USPAT;	2002/05/29 11:58
		tuner or tuning) and (waveguide with (array or grating))	US-PGPUB;	
			EPO; JPO	
-	55	(ridge near waveguide) same (modulat\$4 with (electr\$5	USPAT;	2003/03/06 17:26
		thermal\$4))	US-PGPUB;	
			EPO; JPO	
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US-6332055-\$ or US-6353694-\$ or US-6246814-\$ or US-522521-\$ or US-5396506-\$ or US-5396506-\$ or US-5929601-\$ or US-5929601-\$ or US-5929601-\$ or US-5929601-\$ or US-5929601-\$ or US-59205063-\$ or US-5929601-\$ or US-5920563-\$ or US-20010022878-\$ or US-20010022878-\$ or US-20010022878-\$ or US-20010022878-\$ or US-2001002878-\$ or US-2001002878-\$ or US-6233070-\$ or US-6298177-\$ or US-6233070-\$ or US-6298177-\$ or US-6233070-\$ or US-629817-\$ or US-6233070-\$ or US-6246814-\$ or US-6232075-\$ or US-6246814-\$ or US-6232075-\$ or US-6332055-\$ or US-63320601-\$ or US-5991067-\$ or US-592658-\$ or US-5920048433-\$ or US-20010022878-\$ or US-20010022878-\$ or US-20010022878-\$ or US-20010022878-\$ or US-20010022878-\$ or US-600024537-\$ or US-600002878-\$ or US-6000002878-\$ or US-6000000000000000000000000000000000000			US-5559906-\$ or US-4798437-\$ or US-5949542-\$ or	DERWENT	
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US-5394506-\$ or US-5329601-\$ or US-5991067-\$ or US-5220010023715-\$ or US-92020064837-\$ or US-20010022878-\$ or US-20020064837-\$ or US-20010022878-\$ or US-20020064837-\$ or US-520586-\$).did. US-20010022878-\$ or US-6233070-\$ or US-6233055-\$ or US-6333095-\$ or US-6333095-\$ or US-6333097-\$ or US-6333095-\$ or US-633000-\$ or US-5336500-\$ or US-6333007-\$ or US-6333095-\$ or US-6333007-\$ or US-6333095-\$ or US-6333007-\$ or US-6333095-\$ or US-6333007-\$ or US-6333007-\$ or US-6333095-\$ or US-6333007-\$ or US-6333007-			US-6332055-\$ or US-6353694-\$ or US-6246814-\$ or		
US-5394506-\$ or US-5329601-\$ or US-5991067-\$ or US-5220010023715-\$ or US-92020064837-\$ or US-20010022878-\$ or US-20020064837-\$ or US-20010022878-\$ or US-20020064837-\$ or US-520586-\$).did. US-20010022878-\$ or US-6233070-\$ or US-6233055-\$ or US-6333095-\$ or US-6333095-\$ or US-6333097-\$ or US-6333095-\$ or US-633000-\$ or US-5336500-\$ or US-6333007-\$ or US-6333095-\$ or US-6333007-\$ or US-6333095-\$ or US-6333007-\$ or US-6333095-\$ or US-6333007-\$ or US-6333007-\$ or US-6333095-\$ or US-6333007-\$ or US-6333007-			US-6212315-\$ or US-6175671-\$ or US-5978532-\$ or		
U.S-5422904-\$ or U.S-4997246-\$).did. or (U.S-20010022878-\$ or U.S-20010022878-\$ or U.S-20010024873-\$ or U.S-20010022878-\$ or U.S-20010024873-\$ or U.S-20822-\$ or U.S-20822-\$ or U.S-20822-\$ or U.S-20822-\$ or U.S-20823370-\$ or U.S-409184-\$ or U.S-6298177-\$ or U.S-6283370-\$ or U.S-699184-\$ or U.S-5970863-\$ or U.S-5920910024878-\$ or U.S-5970863-\$ or U.S-5920910024878-\$ or U.S-20010022878-\$ or U.S-2001002878-\$ or U.S-2001002			·		
(US-20010033715-\$ or US-20020048433-\$ or US-20010024537-\$), clid. or (US-592656-\$), clid. (US-592656-\$), clid. (US-6304687-\$ or US-6233070-\$ or US-64091864-\$ or US-6298177-\$ or US-6233070-\$ or US-64091864-\$ or US-5559906-\$ or US-613795-\$ or US-631079-\$ or US-6321055-\$ or US-635369-\$ or US-631795-\$ or US-632151-\$ or US-5978532-\$ or US-539606-\$ or US-6317-\$ or US-6317-\$ or US-5978532-\$ or US-5396506-\$ or US-5317-\$ or US-5978532-\$ or US-5396506-\$ or US-5329601-\$ or US-529608-\$ or US-5329601-\$ or US-529608-\$ or US-5329601-\$ or US-529608-\$ or US-529608-\$ or US-5296010024537-\$), clid. or (US-2001002378-\$ or US-20020048433-\$ or US-2001002378-\$ or US-20010024537-\$), clid. or (US-592656-\$), clid.) and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4) - 11 "6400490" and indium - 20 (("20020064358" "20010053260" "6381380" USPAT; US-PCPUB, PPO, JPO USPAT; US-PCPUB, PPO, JPO and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4) - 2 (("20020064358" "20010053260" "6381380" USPAT; US-PCPUB, PPO, JPO and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4) - 385/37.ccls. and 385/1-10.ccls. USPAT; US-PCPUB, PPO, JPO US	1				
US-20010022878-\$ or US-20010024537-\$).did. or (US-5926586-\$).did. ((US-6304687-\$ or US-6385354-\$ or US-6278822-\$ or US-5278663-\$ or US-6118909-\$ or US-698164-\$ or US-5920663-\$ or US-6118909-\$ or US-5881079-\$ or US-6212315-\$ or US-6315394-\$ or US-5978632-\$ or US-532050-\$ or US-532960-\$ or US-5292004433-\$ or US-20010032267-\$ or US-20010032267-\$ or US-52926586-\$).did. pand ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4) - 11 ("20020064358" "20010053260" "6381380" USPAT; US-PGPUB; PEO; JPO USPAT; US-PGPUB; PEO;					
Cuts-5926586-\$).did. Cuts-6304637-\$ or US-6278822-\$ or US-62788177-\$ or US-6233070-\$ or US-6091864-\$ or US-5529064-\$ or US-4798437-\$ or US-592964-\$ or US-5529064-\$ or US-4798437-\$ or US-5949542-\$ or US-532055-\$ or US-533690-\$ or US-581079-\$ or US-6332055-\$ or US-63353699-\$ or US-581079-\$ or US-6332055-\$ or US-533699-\$ or US-532960-\$ or US-532960-\$ or US-532960-\$ or US-5299010037371-\$ or US-5991067-\$ or US-52010002378-\$ or US-0010024537-\$ or US-52010002378-\$ or US-0010024537-\$ or US-0010024537-\$ or US-001003711-\$ or US-200100024537-\$ or US-20010024537-\$ or US-200100024537-\$ or US-20010024537-\$ or US-20010024537-\$ or US-20010024537-\$ or US-20010024537-\$ or US-20100024537-\$ or US-20100024537-\$ or US-2010024537-\$ or US-201002447-\$ or US-2010024537-\$ or US-201002447-\$ or US-20					
Cus-6304687-\$ or us-6385354-\$ or us-6278822-\$ or us-6298177-\$ or us-63091864-\$ or us-5790645-\$ or us-579070-\$ or us-6091864-\$ or us-5790645-\$ or us-57949542-\$ or us-595990645-\$ or us-6118909-\$ or us-5820979-\$ or us-582079-\$ or us-582079-\$ or us-582079-\$ or us-582079-\$ or us-582079-\$ or us-582079-\$ or us-5920663-\$ or us-594954-\$ or us-529691-\$ or us-59991067-\$ or us-5920663-\$ or us-5920600-\$ or us-59991067-\$ or us-5991067-\$ or us-592010022878-\$ or us-529010022878-\$					
US-6298177-\$ or US-6233070-\$ or US-6091864-\$ or US-5559906-\$ or US-579847-\$ or US-5799542-\$ or US-5559906-\$ or US-618909-\$ or US-5881079-\$ or US-6332055-\$ or US-6353699-\$ or US-5797650-\$ or US-6353699-\$ or US-5797650-\$ or US-5329601-\$ or US-5797650-\$ or US-5329601-\$ or US-5797650-\$ or US-5329601-\$ or US-5797650-\$ or US-5220001-\$ or US-5797650-\$ or US-52200010033715-\$ or US-200100248737-\$).did. or (US-20010022878-\$ or US-200100248737-\$).did. or (US-5926586-\$).did.) and (Ithermal\$4 temperature heat\$4 cool\$4) with modulat\$4) -					
US-555906-5 or US-4798437-5 or US-5949542-5 or US-5920663-\$ or US-6118909-\$ or US-581079-\$ or US-6332055-\$ or US-6175671-\$ or US-6978532-\$ or US-6212315-\$ or US-6175671-\$ or US-5978532-\$ or US-592064-\$ or US-59901667-\$ or US-5978532-\$ or US-20010022878-\$ or US-20200048433-\$ or US-20010022878-\$ or US-20010024537-\$).did. or (US-5926586-\$).did.) and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4\) -	-	5			2003/03/09 17:29
US-5920663-\$ or US-6118909-\$ or US-5881079-\$ or US-62133205-\$ or US-6332055-\$ or US-6175671-\$ or US-5978532-\$ or US-6373205-\$ or US-6372675-\$ or US-5329601-\$ or US-5978532-\$ or US-5978506-\$ or US-5329601-\$ or US-5991067-\$ or US-5920638-\$ or US-592001002437-\$ or US-5920686-\$ or US-5920686-\$ or US-5920686-\$ or US-5920687-\$ or US-5920686-\$ or US-592068-\$ or US-69208-\$ or US-6920			US-6298177-\$ or US-6233070-\$ or US-6091864-\$ or	US-PGPUB;	
US-5920663-\$ or US-6118909-\$ or US-5881079-\$ or US-62133205-\$ or US-6332055-\$ or US-6175671-\$ or US-5978532-\$ or US-6373205-\$ or US-6372675-\$ or US-5329601-\$ or US-5978532-\$ or US-5978506-\$ or US-5329601-\$ or US-5991067-\$ or US-5920638-\$ or US-592001002437-\$ or US-5920686-\$ or US-5920686-\$ or US-5920686-\$ or US-5920687-\$ or US-5920686-\$ or US-592068-\$ or US-69208-\$ or US-6920			US-5559906-\$ or US-4798437-\$ or US-5949542-\$ or	EPO; JPO	
US-6373055-\$ or US-6353694-\$ or US-6246814-\$ or US-6213315-\$ or US-547571-\$ or US-5978532-\$ or US-59376506-\$ or US-5329601-\$ or US-5978532-\$ or US-5926506-\$ or US-5329601-\$ or US-5978532-\$ or US-50200048435-\$ or US-20010022878-\$ or US-200100248435-\$ or US-200100238715-\$ or US-20020048435-\$ or US-20010023877-\$), aid. or (US-5926586-\$), did. and (Ithermal\$ or US-5926586-\$), did. and (Ithermal\$ or US-6010024537-\$), did. or (US-5926586-\$), did. and (Ithermal\$ or US-6010024537-\$), did. or (US-5926586-\$), did. and (Ithermal\$ or US-6010024537-\$), did. or (US-600490) "#939743" "3821662" "6370307" US-PGPUB, PPO; JPO US-PAT; US-PGPUB, PPO; JPO			US-5920663-\$ or US-6118909-\$ or US-5881079-\$ or		
US-6212315-\$ or US-6175671-\$ or US-5978532-\$ or US-539506-\$ or US-5329601-\$ or US-5991067-\$ or US-5991067-\$ or US-592904-\$ or US-5429904-\$ or US-4997246-\$).did. or US-20010023715-\$ or US-2001002375-\$).did. or US-20010023715-\$ or US-2001002375-\$).did. or US-5926586-\$).did.) and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4\] - 11 ("20020064358" "20010053260" "6381380" US-PGPUB, "6212323" "5577138" "6137939" "4152044").pn. - 2 (("20020064358" "20010053260" "6381380" US-PGPUB, EPO, IPO US-PGPUB,					
US-5396506-\$ or US-5329601-\$ or US-5991067-\$ or US-5429904-\$ or US-997246-\$).did. or (US-20010033715-\$ or US-20010024833-\$ or US-20010022878-\$ or US-20010024833-\$ or US-20020064358-" 20010053260" "6381380" US-PGPUB, EPO, IPO US-PAT;					
US-5422904-\$ or US-497246-\$).did. or (US-20010033715-\$ or US-20020048433-\$ or US-20010022878-\$ or US-20010024537-\$).did. or (US-5926586-\$).did.) and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4)					
(U.S-20010033715-\$ or U.S-20020048433-\$ or U.S-20010022878-\$ or U.S-20010024537-\$).did. or (U.S-5926586-\$).did.) and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4) -	1		, , , , , , , , , , , , , , , , , , ,		
US-20010022878-\$ or US-20010024537-\$).did. or (US-5926586-\$).did.) and (Ithermal\$4 temperature heat\$4 cool\$4) with modulat\$4) - 11					
- 11 (U.S-92686-\$), did.) and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4) ("20020064358" "20010053260" "6381380" USPAT; US-PGPUB; EPO; JPO DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; ISM TDB USPAT; US-PGPUB; EPO; JPO US-PAT; US-PA					
heat\$4 cool\$4) with modulat\$4)					
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11			heat\$4 cool\$4) with modulat\$4)		
"6400490" "4939743" "3821662" "6370307" US-PCPUB; EPO; JPO USPAT;	-	11	("20020064358" "20010053260" "6381380"	USPAT;	2003/03/06 17:42
- 1 "6212323" "5577138" "6137939" "4152044").pn.					
- 1 "6400490" and indium - 2 (("20020064358" "20010053260" "6381380" USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; "6212323" "5577138" "6137939" "4152044").pn.) and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4) - 6 "845685" USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO					
Comparison of the comparison	_	1			2003/03/06 17:45
- 2 (("20020064358" "20010053260" "6381380" "4181380" "6400490" "4939743" "3821662" "6370307" "US-PCPUB; EPO; JPO and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4\) "845685" USPAT; US-PCPUB; EPO; JPO 19845685" USPAT; US-PCPUB; EPO; JPO 2003/03/06 17:50 198 385/37.ccls. and 385/1-10.ccls. USPAT; US-PCPUB; EPO; JPO 198 198 198 198 198 198 198 198 198 198	-	l I	OTOOTYO and indiani		2003/03/00 17:43
- ("20020064358" "20010053260" "6381380" USPAT; USPCPUB; EPO; JPO and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4) "845685" USPAT; USPCPUB; EPO; JPO USPAT; USPCP					
"6400490" "4939743" "3821662" "6370307" "6212323" "5577138" "6137939" "4152044").pn.) and (((thermals 4 temperature heat \$ 4 cool \$ 4) with modulat \$ 4) "845685" -		_	(/=====================================		
"6212323" "5577138" "6137939" "4152044").pn.) and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4)	-	2			2003/03/06 17:50
and ((thermal\$4 temperature heat\$4 cool\$4) with modulat\$4) - 6 "845685" - 198 385/37.ccls. and 385/1-10.ccls. - 61 "array waveguide" and 385/1-5,8-10.ccls. - 61 "array waveguide" and 385/1-5,8-10.ccls. - 6 "845685" - 8 "6137939" - 143 359/288.ccls. - 5 "849615" - 259 385/1-11.ccls. and 385/37.ccls. - 2003/03/06 17:50 USPAT; US-PGPUB; EPO; JPO					
- 6 "845685" USPAT; US-PGPUB; EPO; JPO - 198 385/37.ccls. and 385/1-10.ccls. USPAT; US-PGPUB, EPO; JPO - 61 "array waveguide" and 385/1-5,8-10.ccls. USPAT; US-PGPUB, EPO; JPO - 6 "845685" USPAT; US-PGPUB, EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB, EPO; JPO - 8 "6137939" USPAT; US-PGPUB, EPO; JPO - 143 359/288.ccls. USPAT; US-PGPUB, EPO; JPO - 5 "849615" USPAT; US-PGPUB, EPO; JPO			"6212323" "5577138" "6137939" "4152044").pn.)	EPO; JPO	
- 6 "845685" USPAT; US-PGPUB; EPO; JPO - 198 385/37.ccls. and 385/1-10.ccls. USPAT; US-PGPUB, EPO; JPO - 61 "array waveguide" and 385/1-5,8-10.ccls. USPAT; US-PGPUB, EPO; JPO - 6 "845685" USPAT; US-PGPUB, EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB, EPO; JPO - 8 "6137939" USPAT; US-PGPUB, EPO; JPO - 143 359/288.ccls. USPAT; US-PGPUB, EPO; JPO - 5 "849615" USPAT; US-PGPUB, EPO; JPO			and ((thermal\$4 temperature heat\$4 cool\$4) with		
- 6 "845685" USPAT; US-PGPUB; EPO; JPO - 198 385/37.ccls. and 385/1-10.ccls. USPAT; US-PGPUB; EPO; JPO - 61 "array waveguide" and 385/1-5,8-10.ccls. USPAT; US-PGPUB; EPO; JPO - 6 "845685" USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB - 6 "845685" USPAT; US-PGPUB; EPO; JPO - 8 "6137939" USPAT; US-PGPUB; EPO; JPO - 143 359/288.ccls. USPAT; US-PGPUB; EPO; JPO - 5 "849615" USPAT; US-PGPUB; EPO; JPO - 259 385/1-11.ccls. and 385/37.ccls. USPAT; US-PGPUB; EPO; JPO - 259 385/1-11.ccls. and 385/37.ccls. USPAT; US-PGPUB;					
- 198 385/37.ccls. and 385/1-10.ccls. US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO USPAT	_	6		USPAT:	2003/03/06 17:50
- 198 385/37.ccls. and 385/1-10.ccls.					
- 198 385/37.ccls. and 385/1-10.ccls. USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO					
- 61 "array waveguide" and 385/1-5,8-10.ccls. - 61 "array waveguide" and 385/1-5,8-10.ccls. - 6 "845685" - 6 "845685" - 8 "6137939" - 8 "6137939" - 143 359/288.ccls. - 143 359/288.ccls. - 259 385/1-11.ccls. and 385/37.ccls. - 259 385/1-11.ccls. and 385/37.ccls. - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/10 08:39 - 2003/03/10 08:39 - 2003/03/10 08:39 - 2003/03/10 08:39		100	795/77 cele and 795/1 10 cele		2007/07/07 12:07
- 61 "array waveguide" and 385/1-5,8-10.ccls. - 6 "845685" - 8 "6137939" - 143 359/288.ccls. - 15 "849615" - 259 385/1-11.ccls. and 385/37.ccls. - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/07 12:57 - 2003/03/10 08:39 - 2003/03/09 15:18 - 2003/03/09 17:30 - 2003/03/10 08:39 - 2003/03/10 08:39 - 2003/03/10 08:39	-	190	303/37.ccis. alid 303/1-10.ccis.		2003/03/07 12:07
- 61 "array waveguide" and 385/1-5,8-10.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB;					
- 6 "845685"					
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- 6 "845685"				,	
- 6 "845685"				EPO; JPO;	
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- 8 "6137939" US-PGPUB; EPO; JPO USPAT; US-P	_	٨	"845685"		2003/03/10 08:39
EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US					
- 8 "6137939" USPAT; US-PGPUB; EPO; JPO USPA					
US-PGPUB; EPO; JPO USPAT; US-PGPUB; US-PGP		1	#/177070F	1	0007/07/00 15 10
- 143 359/288.ccls.	-	8			2003/03/09 15:18
- 143 359/288.ccls. USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; US-					
- 5 "849615" US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB;					
- 5 "849615" US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB;	-	1 4 3	359/288.ccls.	USPAT;	2003/03/09 17:30
- 5 "849615"					
- USPAT; US-PGPUB; EPO; JPO USPAT; US-PGPUB;					
US-PGPUB; EPO; JPO USPAT; US-PGPUB;	-	5	"849615"		2003/03/10 08:39
EPO; JPO USPAT; US-PGPUB; 2003/06/06 14:57					2303/03/10 00.37
- 259 385/1-11.ccls. and 385/37.ccls. USPAT; US-PGPUB; 2003/06/06 14:57					
US-PGPUB;		250	70E/1 11 and and 70E/77 and		2007/0//0/ 11 ==
	-	259	303/1-11.ccis. and 303/3/.ccis.		2003/06/06 14:57
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-	121	(385/1-11.ccls. and 385/37.ccls.) and \$array\$	USPAT; US-PGPUB; EPO; JPO	2003/06/06 15:06
-	73	(385/1-11.ccls. and 385/37.ccls.) and \$array\$ with \$grating\$	USPAT; US-PGPUB;	2003/06/06 15:14
-	97	385/39.ccls. and (\$array\$ with \$grating)	EPO; JPO USPAT; US-PGPUB;	2003/06/06 15:16
-	147	385/39.ccls. and ((\$array\$ with waveguide\$) array-waveguid\$9 arraywaveguid\$3)	EPO; JPO USPAT; US-PGPUB; EPO; JPO	2003/06/06 15:18
-	165	(385/39.ccls. and (\$array\$ with \$grating)) (385/39.ccls. and ((\$array\$ with waveguide\$) array-waveguid\$9 arraywaveguid\$3))	USPAT; US-PGPUB; EPO; JPO	2003/06/06 15:18
	47	(US-5949542-\$ or US-5239598-\$ or US-6118909-\$ or US-5920663-\$ or US-5881079-\$ or US-6353694-\$ or US-6332055-\$ or US-6246814-\$ or US-6212323-\$ or US-6212315-\$ or US-6181848-\$ or US-6175671-\$ or US-6094513-\$ or US-5978532-\$ or US-5519796-\$ or US-5396506-\$ or US-5329601-\$ or US-6304687-\$ or US-6385354-\$ or US-6385353-\$ or US-6298177-\$ or US-6278822-\$ or US-6233070-\$ or US-6091864-\$ or US-5559906-\$ or US-4798437-\$).did. or (US-5459799-\$ or US-5991067-\$ or US-5422904-\$ or US-4997246-\$ or US-6438277-\$ or US-6449084-\$ or US-6466707-\$ or US-5608568-\$).did. or (US-20010024537-\$ or US-20020048433-\$ or US-20010024537-\$ or US-20020172455-\$ or US-20020159698-\$ or US-20020172455-\$ or US-20020176666-\$ or US-20020172463-\$ or US-20020159700-\$ or US-20020114556-\$).did. or (US-5926586-\$).did.	USPAT; US-PGPUB; DERWENT	2003/06/09 13:30
	11		USPAT; US-PGPUB; EPO; JPO	2003/06/09 16:18
-	1	(US-5926586-\$).did.) and resist\$ 6167168.pn.	USPAT; US-PGPUB;	2003/06/09 16:19
			EPO; JPO	
-	1	6167168.URPN.	USPAT	2003/06/09 16:19
-	5	("4685766" "5195163" "5515460" "5559906" "5805751").PN.	USPAT	2003/06/09 16:19
-	4	l ''	USPAT; US-PGPUB; EPO; JPO	2003/07/17 15:17
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_	5	("20020061168" "20020181870" "5846849"	USPAT;	2003/07/17 15:17
		"4087315" "20020126976").pn.	US-PGPUB;	
		•	EPO; JPO	
-	7	"845645"	USPAT;	2003/07/23 15:24
			US-PGPUB;	
			EPO; JPO	
-	1022	385/37,39,1,3.ccls. and @pd>20020501	USPAT;	2003/07/23 15:26
			US-PGPUB;	
			EPO; JPO	
-	176	385/37,39,1,3.ccls. and @pd>20020501 and (array	USPAT;	2003/07/23 15:39
		near3 (grating waveguide))	US-PGPUB;	
			EPO; JPO	
-	180	385/37,39,1,3.ccls. and @pd>20020501 and (arrayed	USPAT;	2003/07/23 15:40
:		near3 (grating waveguide))	US-PGPUB;	
		/70F/77 70 1 7 1 1 0 1 00000F01 1/	EPO; JPO	0007/07/07 15 47
-	89	(385/37,39,1,3.ccls. and @pd>20020501 and (arrayed	USPAT;	2003/07/23 15:43
		near3 (grating waveguide))) not (385/37,39,1,3.ccls. and	US-PGPUB;	
	-	@pd>20020501 and (array near3 (grating waveguide)))	EPO; JPO	2007/07/27 15 47
-	/	"632906"	USPAT;	2003/07/23 15:43
			US-PGPUB;	
			EPO; JPO	